

YAMAHA



MIDI JUNCTION CONTROLLER

SYSTEME DE CONTROLE DE CONNEXIONS MIDI

MIDI STECKFELDSYSTEM

OWNER'S MANUAL

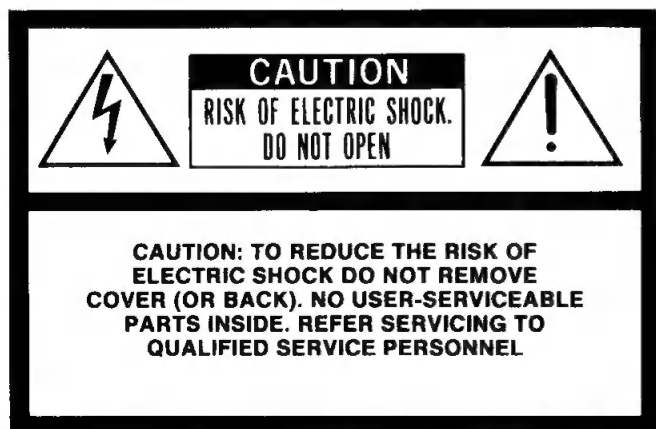
MANUEL D'UTILISATION

BEDIENUNGSANLEITUNG

Thank you for purchasing the YAMAHA MJC8 MIDI Junction Controller. The MJC8 MIDI Junction Controller has been specifically designed to meet the requirements of today's performing and recording musician. Able to handle up to 16 different MIDI devices at one time, the MJC8 frees you up for the business at hand — playing your music!

SUPPLEMENTAL MARKING INFORMATION

Yamaha Digital Musical Instrument Products will have either a label similar to the graphic shown below or a molded/stamped facsimile of the graphic on its enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated.



SEE BOTTOM OF UNIT FOR GRAPHIC SYMBOL MARKINGS.



The Exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This information on safety is provided to comply with U.S.A. laws, but should be observed by users in all countries.

IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

INFORMATION RELATING TO POSSIBLE PERSONAL INJURY, ELECTRIC SHOCK AND FIRE HAZARD POSSIBILITIES HAS BEEN INCLUDED IN THIS LIST.

WARNING — When using electronic products, basic precautions should always be followed, including the following:

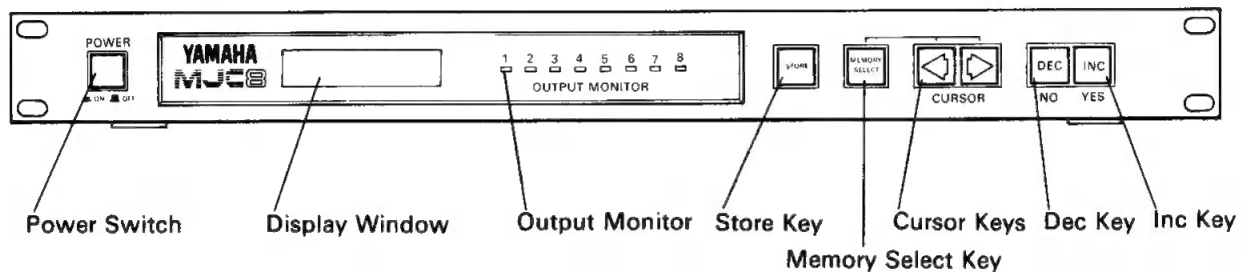
1. Read all Safety and Installation Instructions, Supplemental Marking and Special Message Section data, and any applicable assembly instructions **BEFORE** using this product.
2. Check unit weight specifications **BEFORE** you attempt to move this product.
3. Main power supply verification. Yamaha Digital Musical Instrument products are manufactured specifically for use with the main supply voltage used in the area where they are to be sold. The main supply voltage required by these products is printed on the name plate. For name plate location please refer to the graphic in the Special Message section. If any doubt exists please contact the nearest Yamaha Digital Musical Instrument retailer.
4. Some Yamaha Digital Musical Instrument products utilize external power supplies or adapters. Do **NOT** connect products of this type to any power supply or adapter other than the type described in the owners manual or as marked on the unit.
5. This product may be equipped with a plug having three prongs or a polarized line plug (one blade wider than the other). If you are unable to insert the plug into the outlet, contact an electrician to have the obsolete outlet replaced. Do **NOT** defeat the safety purpose of the plug. Yamaha products not having three prong or polarized line plugs incorporate construction methods and designs that do not require line plug polarization.
6. **WARNING** — Do **NOT** place objects on the power cord or place the unit in a position where any one could walk on, trip over, or roll anything over cords of any kind. An improper installation of this type can create the possibility of a fire hazard and/or personal injury.
7. Environment: Your Yamaha Digital Musical Instrument should be installed away from heat sources such as heat registers and/or other products that produce heat.
8. Ventilation: This product should be installed or positioned in a way that its placement or location does not interfere with proper ventilation.
9. Yamaha Digital Musical Instrument products are frequently incorporated into "Systems" which are assembled on carts, stands or in racks. Utilize only those carts, stands, or racks that have been designed for this purpose and observe all safety precautions supplied with the products. Pay special attention to cautions that relate to proper assembly, heavier units being mounted at the lower levels, load limits, moving instructions, maximum usable height and ventilation.
10. Yamaha Digital Musical Instrument products, either alone or in combination with amplification, headphones, or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do **NOT** operate at high volume levels or at a level that is uncomfortable. If you experience any discomfort, ringing in the ears, or suspect any hearing loss, you should consult an audiologist.
11. Do **NOT** use this product near water or in wet environments. For example, near a swimming pool, spa, in the rain, or in a wet basement.
12. Care should be taken so that objects do not fall, and liquids are not spilled into the enclosure.
13. Yamaha Digital Musical Instrument products should be serviced by a qualified service person when:
 - a. The power supply/power adapter cord or plug has been damaged; or
 - b. Objects have fallen, or liquid has been spilled into the products; or
 - c. The unit has been exposed to rain; or
 - d. The product does not operate, exhibits a marked change in performance; or
 - e. The product has been dropped, or the enclosure of the product has been damaged.
14. When not in use, always turn your Yamaha Digital Musical Instrument equipment "OFF". The power supply cord should be unplugged from the outlet when the equipment is to be left unused for a long period of time. NOTE: In this case, some units may lose some user programmed data. Factory programmed memories will not be affected.
15. Electromagnetic Interference (RFI). Yamaha Digital Musical Instruments utilize digital (high frequency pulse) technology that may adversely affect Radio/TV reception. Please read FCC Information (inside back cover) for additional information.
16. Do **NOT** attempt to service this product beyond that described in the user maintenance section of the owners manual. All other servicing should be referred to qualified service personnel.

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE!

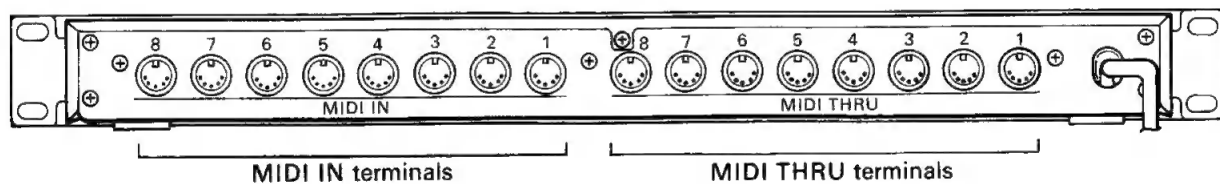
FEATURES

- The MJC8 can handle up to 8 MIDI compatible instruments as masters, and 8 MIDI compatible devices as slaves.
- As many as 50 different "Connection Settings" can be programmed and permanently stored in memory. No manual repatching is necessary! Simply assign MIDI IN terminal numbers of your choice to the desired MIDI THRU (Output terminals).
- Connection Settings are obtained instantly by simply selecting a preset patch number.
- The MJC8 comes in a sturdy 19" standard rack mountable housing.

FRONT PANEL



REAR PANEL



SETTING UP YOUR SYSTEM

1. Connect all desired MIDI compatible devices, including DX Synthesizers, TX Tone Generators, QX Sequencers, RX Digital Rhythm Programmers, and Music Computers to the MJC8.

NOTE:

Note order of connections for future reference using the Connection Setting Chart (see p. 18).

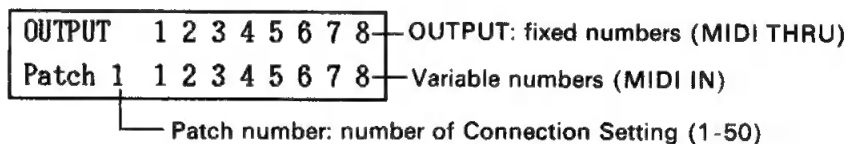
2. Switch on power. The Connection Setting that appears is the last setting used before power was previously switched off.

CREATING YOUR CONNECTION SETTINGS

1. Select desired patch number by holding down **MEMORY** and pressing either cursor key (**←** or **→**). Cursor key **←** decreases patch number, and cursor key **→** increases patch number.
2. Create desired Connection Setting by assigning MIDI IN (Patch) terminals to MIDI THRU (Output) terminals.

NOTE:

Output numbers are fixed, so connections are altered by manipulating MIDI IN (Patch) terminal numbers.

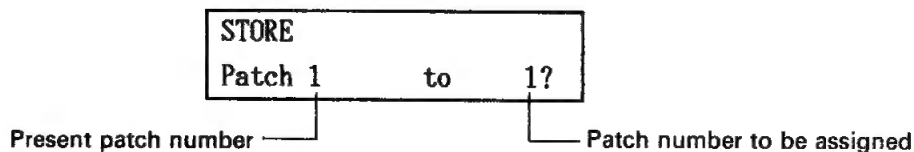


Press **←** or **→** to locate cursor (blinking) at number to be modified. Press **DEC** or **INC** to select desired MIDI IN terminal number. Pressing **DEC** decreases input terminal number, pressing **INC** increases input terminal number. Move through MIDI IN numbers by holding **DEC** or **INC** down until desired number is reached. Proceed by this method to complete Connection Setting.

IMPORTANT:

Never select or change patch number unless in a tacet situation. Changing a patch number is equivalent to insertion or removal of a MIDI cable during operation.

3. Storing Completed Connection Settings
Connection Settings are stored in the MJC8's memory by assigning a patch number to each setting. Proceed as follows. Press **STORE**. The display changes to:



Hold **MEMORY** down and press **←** or **→** until desired memory number is reached.
For example,

STORE		
Patch 1	to	2?

means that Connection Setting 1 will be stored in memory as Patch 2. To execute storing, press **INC** (YES). The display

Stored!		
Patch 1	to	2?

appears for one second.

Proceed by this method until all Connection Settings are stored in preferred order.

NOTE:

To exit without storing press either **DEC** or **STORE**.

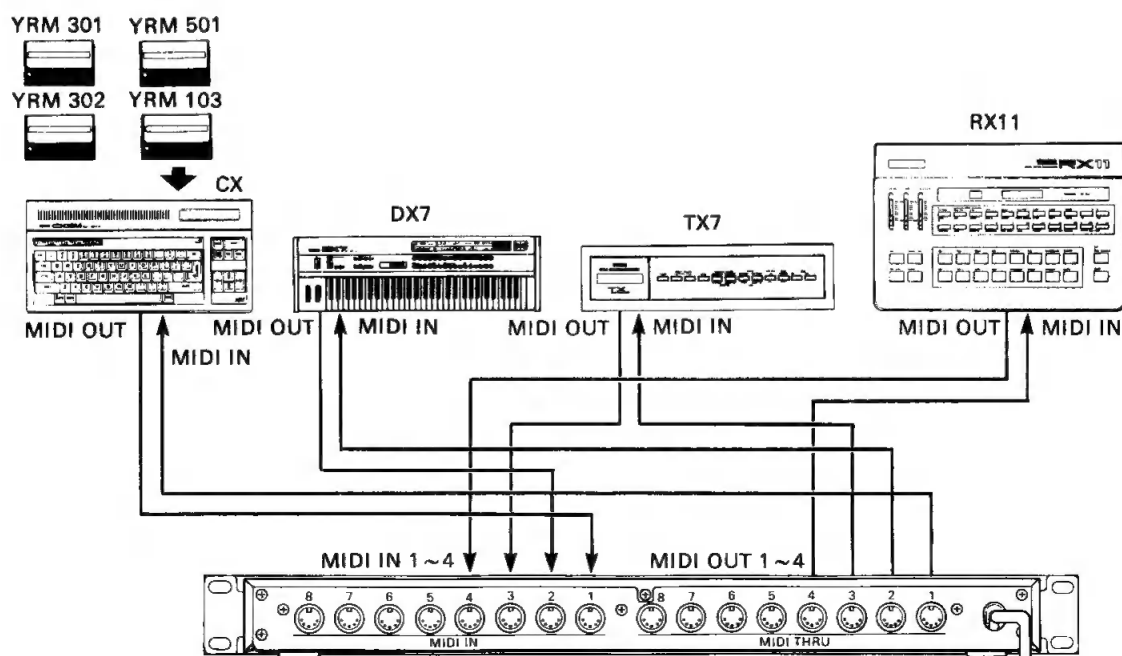
4. The OUTPUT MONITOR LEDs.

These LEDs indicate which outputs are involved in your Connection. As soon as they are connected they start flashing (Active Sensing). When they are lit, this means that they are transmitting MIDI-data.

SYSTEM EXAMPLES

The following are just a few of the many possible Connection System configurations available using the MJC8.

Setup 1



(1)

OUTPUT	1	2	3	4	5	6	7	8
Patch 1	2	1	1	1	*	*	*	*

(2)

OUTPUT	1	2	3	4	5	6	7	8
Patch 2	*	3	2	1	*	*	*	*

- (1) Use a "Music Composer II (YRM 501)" cartridge to compose your music. Data are input via the DX7's keyboard. Playback is achieved via DX7, TX7 and SFG Sound Synthesizer Unit. RX11 is clocked by Music Computer.
- (2) Choose Connection Setting (2) to play DX7 and TX7 manually (TX function memory controls DX functions), while RX is clocked by CX (sound also comes from SFG). With the "MIDI-Recorder (YRM 301)" cartridge however, you are able to record in real time, which contributes to the liveliness of your recording.

(3)

OUTPUT	1	2	3	4	5	6	7	8
Patch 3	4	*	*	1	*	*	*	*

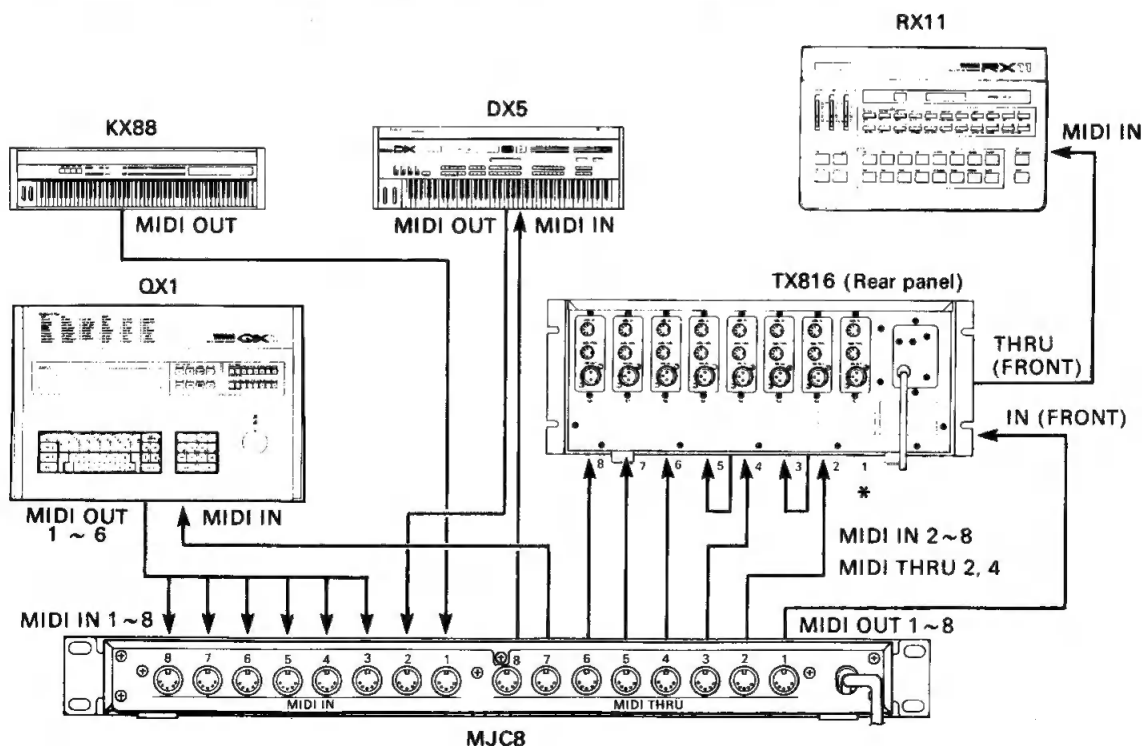
(4)

OUTPUT	1	2	3	4	5	6	7	8
Patch 4	2	1	2	*	*	*	*	*

- (3) With this Connection Setting, you are able to use your Music Computer to write rhythm patterns on RX11. Use the "RX Editor (YRM 302)" cartridge.
- (4) The MJC8 allows you to program both DX7 and TX7. All you need is the "DX7 Voicing Program (YRM 103)" cartridge.

Setup 2 (Large Setup)

In this setup the TX816 module numbers 2, 3 and 4, 5 are combined. RX is directly connected to "Common THRU" terminal of TX816. The KX88 functions as master keyboard, either inputting data into QX1 or controlling TX816 and DX5 (if desired, DX5 may be used as master keyboard). See following Connection Setting examples.



* NOTE: Module 1 should always be switched to "Common" and the other modules to "Individual".

OUTPUT	1	2	3	4	5	6	7	8
Patch 1	1	1	1	1	1	1	*	*

With this Connection Setting, the KX88 MIDI Master Keyboard controls TX816, thus taking full advantage of your versatile system (especially suited for live performance). All modules can be switched to "Common" situation only by choosing this Connection Setting, even if TX816 is located in remote position.

On top of that, the RX11 sounds are accessible via TX816's "Common THRU" terminal.

OUTPUT	1	2	3	4	5	6	7	8
Patch 2	3	4	5	6	7	8	1	*

KX88 serves to input recording data into QX1 tracks 1–6 which control respectively modules 1–8 (2, 3 and 4, 5 are combined). RX11 is clocked by QX1, or can be triggered by KX88.

OUTPUT	1	2	3	4	5	6	7	8
Patch 3	2	3	4	5	6	7	*	*

DX5 triggers module 1 of TX816, at the same time, QX1 tracks 1–5 trigger modules 2, 3 (combined), 4, 5 (combined), 6, 7, and 8 of TX816. RX11 is synchronized with QX1. This Connection Setting enables you to add a human touch to your sequenced track, or to perform on your own. If desired, any track of QX1 can be assigned to send MIDI signals to Common MIDI IN Terminal, and any module of TX816 can receive those MIDI signals if it is set to Common MIDI Input.

NOTE:

The "Connection Chart" can be found on p. 18. Please photocopy it, so that you are able to see your patch connections at a glance.

SPECIFICATIONS

Patch Memories	50
Display Window	16 characters x 2 lines LCD (backlit) Output monitor LED x 8
Front Panel Keys	6 Keys (STORE, MEMORY SELECT, Cursor keys, DEC/NO, INC/YES)
Rear Panel Terminals	MIDI IN x 8, MIDI THRU x 8
Power Supply (Power Consumption)	U.S. & Canadian Models 120V \pm 15% (10W) General Models 220 ~ 240V \pm 15% (10W)
Housing	Rack mount 1 U type, Black
Dimensions	480(W)x45.2(H)x274(D)mm (18.9"x1.8"x10.8")
Weight	3.250kg (7.17lb)

CONNECTION SETTING CHART

Please photocopy this page and note order of connections for future reference.

The following example is based on the system example setup 1 explained on pages 3 and 4.

TABEAU DES CONNEXIONS

Photocopiez cette page et inscrivez-y l'ordre de vos connexions afin de pouvoir vous le rappeler ultérieurement. L'exemple qui suit correspond au système 1 décrit aux pages 9 et 10.

ANSCHLUSSÜBERSICHT

Photokopieren Sie bitte diese Seite und zeichnen Sie die Anschlußanordnung zur späteren Bezugnahme sorgfältig auf. Das folgende Beispiel entspricht dem Anschlußbeispiel 1 auf Seite 15 und 16.

EXAMPLE		EXEMPLE		BEISPIEL				
OUTPUT	1 CX	2 DX7	3 TX7	4 RX11	5	6	7	8
INPUT	1 CX	2 DX7	3 TX7	4 RX11	5	6	7	8

Title	OUTPUT	1	2	3	4	5	6	7	8
YRM501 Composer	patch	1	2	1	1	1	*	*	*

Title	OUTPUT	1	2	3	4	5	6	7	8
RX Editor	patch	3	4	*	*	1	*	*	*

OUTPUT	1	2	3	4	5	6	7	8

INPUT	1	2	3	4	5	6	7	8

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

Title	OUTPUT	1	2	3	4	5	6	7	8
	patch	□	□	□	□	□	□	□	□

SPECIAL MESSAGE SECTION

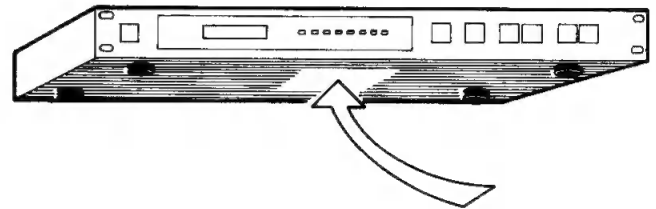
ELECTROMAGNETIC INTERFERENCE (RFI): Your Yamaha Digital Musical Instrument Product has been type tested and found to comply with all applicable regulations. However, if it is installed in the immediate proximity of other electronic devices, some form of interference may occur. For additional RFI information see FCC information section located in this manual.

IMPORTANT NOTICE: This product has been tested and approved by independent safety testing laboratories in order that you may be sure that when it is properly installed and used in its normal and customary manner, all foreseeable risks have been eliminated. **DO NOT** modify this unit or commission others to do so unless specifically authorized by Yamaha. Product performance and/or safety standards may be diminished. Claims filed under the expressed warranty may be denied if the unit is/has been modified. Implied warranties may also be affected.

SPECIFICATIONS SUBJECT TO CHANGE: The information contained in this manual is believed to be correct at the time of printing. Yamaha reserves the right to change or modify specifications at any time without notice or obligation to update existing units.

NOTICE: Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed), are not covered by the manufacturer's warranty. Please study this manual carefully before requesting service.

NAME PLATE LOCATION: The graphic below indicates the location of the Name Plate on your Yamaha Digital Musical Instrument. The Model, Serial Number, Power requirements, etc., are indicated on this plate. You should note the model, serial number and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.



STATIC ELECTRICITY CAUTION: Some Yamaha Digital Musical Instrument products have modules that plug into the unit to perform various functions. The contents of a plug-in module can be altered/damaged by static electricity discharges. Static electricity build-ups are more likely to occur during cold winter months (or in areas with very dry climates) when the natural humidity is low. To avoid possible damage to the plug-in module, touch any metal object (a metal desk lamp, a door knob, etc.) before handling the module. If static electricity is a problem in your area, you may want to have your carpet treated with a substance that reduces static electricity build-up. See your local carpet retailer for professional advice that relates to your specific situation.

Model _____

Serial No. _____

Purchase Date _____

FCC INFORMATION

While the following statements are provided to comply with FCC Regulations in the United States, the corrective measures listed below are applicable worldwide.

This series of Yamaha professional music equipment uses frequencies that appear in the radio frequency range and if installed in the immediate proximity of some types of audio or video devices (within three meters), interference may occur. This series of Yamaha combo equipment have been type tested and found to comply with the specifications set for a class B computing device in accordance with those specifications listed in subpart J of part 15 of the FCC rules. These rules are designed to provide a reasonable measure of protection against such interference. However, this does not guarantee that interference will not occur. If your professional music equipment should be suspected of causing interference with other electronic devices, verification can be made by turning your combo equipment off and on. If the interference continues when your equipment is off, the equipment is not the source of interference. If your equipment does appear to be the source of the interference, you should try to correct the situation by using one or more of the following measures:

Relocate either the equipment or the electronic device that is being affected by the interference. Utilize power outlets for the professional music equipment and the device being affected that are on different branch (circuit breaker or fuse) circuits, or install AC line filters.

In the case of radio or TV interference, relocate the antenna or, if the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact your authorized Yamaha professional products dealer for suggestions and/or corrective measures.

If you cannot locate a franchised Yamaha professional products dealer in your general area contact the Electronic Service Department, Yamaha Music Corporation, 6600 Orangethorpe Ave., Buena Park, CA 90620, U.S.A.

If for any reason, you should need additional information relating to radio or TV interference, you may find a booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio — TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402 — Stock No. 004-000-00345-4.

Litiumbatteri!

Bör endast bytas av servicepersonal.
Explosionsfara vid felaktig hantering.

VAROITUS!

Lithiumparisto. Räjähdyksvaara.
Pariston saa vaihtaa ainoastaan alan ammattimies.

ADVARSEL!

Lithiumbatteri!
Eksplussionsfare. Udskiftning må kun foretages af en sagkyndig. — og som beskrevet i servicemanualen.

YAMAHA

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